July 30, 2015

MEMORANDUM FOR: Distribution Email

FROM: Christine Caruso Magee
                    Configuration Manager, NCEP Central Operations

SUBJECT: Scheduled Operational Changes and Upgrades for
                    CPC, OPC, and WPC

The following accelerated items were implemented this past week:

RFC #395 – Updated script 'make_NavyOFA_vgf.csh' to handle the Navy's new format for the Gulf Stream position file. This file is used by OPC forecasters to plot the North and South Walls of the Gulf Stream on the OPC 24-hr Wind & Waves forecast. Implemented on July 28 at 1300Z. (OPC)

The following will be implemented the week of August 3, 2015:

RFC #396 – Implement a new version of the ERF Auto-forecast distribution list to remove one CPC developer from the list. To be implemented on August 3 at 1200Z. (CPC)

The following CPC OPC WPC RFC(s) are in progress:

RFC #394 – Making changes to support the NMFS Winter Cruise aboard the Research Vessel/Ice Breaker (RVIB) Nathaniel Palmer off Antarctica. Modify the image creation script to include 24 hours. Modify the email table to include the requested products and recipients. Activate 'auto_antarctica.pl' and 'GRtofs_AntarcticImages.csh' scripts in cron on IDP. Disable the same crons at the end of the cruise (1 Sept 2015). Implemented on July 30 at 1130Z and will be backed out on September 1. (OPC)

The following CPC OPC WPC RFC(s) which were previously approved have been delayed:

RFC #385 – Update the LRF 2-class transmission - modified the archive file names to be more in accordance with archive file naming conventions. The files

on web server remain the same. Was to have been implemented on July 27 at 1200Z; new implementation date is August 3. (CPC)

RFC #386 – Autoblend - Adding functionality to ERF Autoforecast to generate VGF files for forecaster use. Also restoring functionality that was available in the RH5 version but was lost in transition to RH6. Was to have been implemented on July 27 at 1200Z; new implementation date is August 3. (CPC)

The following NCO RFCs to be implemented the week of August 3, 2015 may affect CPC, OPC, and/or WPC:

RFC #1158 - On WCOSS, modify the severity level of GPFS file set quota alerts to lower the alert level for all non-production file sets reaching 94% to a "sev 2" alert. These alerts will not result in 24x7 action by the IBM SAs. Development organizations should be monitoring their own file sets and taking appropriate action. To be implemented on August 3 at 1400Z.

RFC #1160 - Implement a work-around to the software for radar.weather.gov to fix a problem that was causing the polygon overlay creation process to fail. To be implemented on August 3 at 1830Z

RFC #1162 - NCOSRV Dataflow v2.6.18, NCODF Dataflow v2.6.2 - Modify DBNet on NCOSRV to stop sending all NESDIS McIDAS satellite area files to NOMADS/ftpprd. These datasets are available via NESDIS public servers. To be implemented on August 4 at 1200Z.

RFC #1165 - WCOSS Dataflow v1.63.7 – Modify LDM and DBNet on WCOSS to begin ingesting wind grid datasets from coastal WFOs and NHC to /dcom instead of /dcomdev for use by the Near-shore Wave Prediction System (NWPS). To be implemented on August 4 at 1200Z.

RFC #1166 - NCOSRV Dataflow v2.6.17 – Modify DBNet on NCOSRV to begin sending DBNet alerts to AWC for the NDFD grids created by WPC, as requested by AWC. To be implemented on August 4 at 1200Z.

RFC #1167 - Update the Obsproc codes to create new data tanks b012/xx160 (GOES Imager effective cloud amount) and b005/xx090 (NPP VIIRS IR satellite winds); update "satwnd" dump files so they now contain GOES IR/SW, POES AVHRR/IR/LW, and POES VIIRS/IR/LW winds; correct the land/sea mask for some coastal marine stations so that stations currently considered by the models as being on land are now over water; create new dump files for NAM, RTMA, and URMA; and create new "nexrad" dump files for use in future HRRR versions. To be implemented on August 4 at 1240Z.

RFC #1168 - AHPS v10.1 - Update the Advanced Hydrologic Prediction Service (AHPS) which is hosted at NIDS/IDG. The update includes a new QPE interface and new Flood Inundation Mapping interface, along with other changes which will improve the user experience due to a move to dynamic ESRI maps. To be implemented on August 4 at 1300Z.

RFC #1171 - postgresql92 v9.2.13 – Update the postgres client software on 2 operational CPC CF servers, so that pg_dump can be executed from these servers to interact with one of CPC's databases. To be implemented on August 4 at 1700Z.

RFC #1172 - NCOSRV Dataflow v2.6.19 – On June 30, 2015, NDFD began issuing files for CONUS Days 1-3, twice per hour (previously once per hour). The new GRIB metadata files are causing processing problems for CPC. To fix this, NCO/PMB/Dataflow will divert each hour's second issuance to a second file. To be implemented on August 5 at 1200Z.

The following NCO RFC(s) are in progress and may affect the local Centers:

RFC #1096 – WCOSS: SP5 Software Upgrade v5.0 - IBM will apply the Service Pack 5 software upgrade to the WCOSS systems. Included in this upgrade are changes to RHEL, GPFS, IBM PE, IBM xCAT and several other components. IBM software support has released its latest HPC software stack service pack and is urging all x86_64 based Infiniband HPC Cluster customers to apply it to maximize product support, and address some known system issues. Tide work is still ongoing. Gyre will be completed in August. There will be a 2-day outage on Gyre when the work is being done.

The following NCO RFC which was previously approved has been delayed:

RFC #1152 - WCOSS Dataflow v1.63.5, NCODF Dataflow v2.6.1, NCOSRV Dataflow v2.6.15 - The DBNet software on WCOSS and Ncosrv will be configured to send the parallel GMOS (Gridded Model Output Statistics) and GLAMP (Gridded Localized Aviation MOS Program) models to users for evaluation. Was to be implemented on July 29 at 1200Z; new implementation date is TBD.

Please note that security-related RFCs are never listed in the RFC memo.

---- OPERATIONAL ANNOUNCEMENTS ----

1.   The CPC/OPC/WPC Configuration Management documents are available at https://sites.google.com/a/noaa.gov/nws-ncep-nco-cm/.

Please review these documents if you have questions prior to submitting changes for CPC/OPC/WPC configurable items.